

DC-8 06/17/17 - 06/18/17

Aircraft: [DC-8 - AFRC](#) ([See full schedule](#))

Flight Number: 1198

Payload Configuration: CPEX Payload: APR-2, DAWN, YES Dropsonde, HAMSR, MASC, MTHP

Nav Data Collected: Yes

Total Flight Time: 7.1 hours

Submitted by: Michael Thomson on 06/18/17

Flight Segments:

From:	KFLL	To:	KFLL
Start:	06/17/17 17:00 Z	Finish:	06/18/17 00:03 Z
Flight Time:	7.1 hours		
Log Number:	178011	PI:	Ramesh Kakar
Funding Source:	Ramesh Kakar - NASA - SMD - ESD Weather and Atmospheric Dynamics		
Purpose of Flight:	Science		
Comments:	Science flight #11 was flown to the Caribbean Sea south of the Cayman Islands. Clockwise box patterns were flown starting at NE corner of boxes at FL310. First box was 40 nm for clear air. Once complete, 2nd box SE of 1st box was requested at FL370. Aircraft flew one box pattern followed by a ladder pattern to the north w 40 nm north legs. On the 3rd rung of the ladder, Science requested to perform 'Simone spaghetti' pattern over observed convection for APR-2 with supporting sondes. Return to FLL via west end of Cuba with descent to FL200. Once at point west of Cuba (N24.3, W86.0) collect DAWN data along N25 then direct to FLL. DAWN window fogged over and was defrosted with heater. Twenty dropsondes in total were launched with half reaching sea surface. All instrument teams reported satisfactory data acquisitions.		

Images:

CPEX science flight #11 track



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Flight Hour Summary:

	178011
Flight Hours Approved in SOFRS	106
Total Used	104.3
Total Remaining	1.7

178011 Flight Reports

Date	Flt #	Purpose of Flight	Duration	Running Total	Hours Remaining	Miles Flown
05/16/17	1182	Check	1.3	1.3	104.7	
05/17/17	1184	Science	2.6	3.9	102.1	
05/25/17	1187	Ferry	4.5	8.4	97.6	
05/27/17	1188	Science	5.3	13.7	92.3	
05/29/17	1189	Science	5.5	19.2	86.8	
05/31/17	1190	Science	6	25.2	80.8	
06/01/17	1191	Science	5.7	30.9	75.1	
06/02/17	1192	Science	6.2	37.1	68.9	
06/06/17	1193	Science	3.9	41	65	
06/10/17	1194	Science	5.3	46.3	59.7	
06/11/17	1195	Science	6.4	52.7	53.3	

06/15/17	1196	Science	4.7	57.4	48.6
06/16/17	1197	Science	5.3	62.7	43.3
06/17/17 - 06/18/17	1198	Science	7.1	69.8	36.2
06/19/17	1199	Science	5.9	75.7	30.3
06/20/17	1200	Science	5.7	81.4	24.6
06/21/17	1201	Science	5.4	86.8	19.2
06/23/17	1202	Science	4.8	91.6	14.4
06/24/17	1203	Science	5.8	97.4	8.6
06/26/17	1204	Science	1.9	99.3	6.7
06/28/17	1205	Science	5	104.3	1.7

Flight Reports began being entered into this system as of 2012 flights. If there were flights flown under an earlier log number the flight reports are not available online.

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